

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/578,836  
Source: IFWP  
Date Processed by STIC: 5/22/06

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 05/22/2006

PATENT APPLICATION: US/10/578,836

TIME: 14:26:22

Input Set : A:\pto.KD.txt

Output Set: N:\CRF4\05222006\J578836.raw

3 <110> APPLICANT: National Cancer Center  
 5 <120> TITLE OF INVENTION: Neutralizable epitope of HGF and neutralizing antibody  
 binding to the  
 6 same  
 8 <130> FILE REFERENCE: Q94845  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/578,836  
 C--> 10 <141> CURRENT FILING DATE: 2006-05-10  
 10 <150> PRIOR APPLICATION NUMBER: KR 10-2003-0079482  
 11 <151> PRIOR FILING DATE: 2003-11-11  
 13 <150> PRIOR APPLICATION NUMBER: PCT/KR2004/002888  
 14 <151> PRIOR FILING DATE: 2004-11-09  
 16 <160> NUMBER OF SEQ ID NOS: 35  
 18 <170> SOFTWARE: KopatentIn 1.71  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 38  
 22 <212> TYPE: DNA  
 23 <213> ORGANISM: Artificial Sequence  
 25 <220> FEATURE:  
 26 <223> OTHER INFORMATION: Vkappa 5' sense primer RSCVK1  
 29 <400> SEQUENCE: 1  
 30 gggcccaggc ggccgagctc gtgmtgaccc agactcca 38  
 33 <210> SEQ ID NO: 2  
 34 <211> LENGTH: 38  
 35 <212> TYPE: DNA  
 36 <213> ORGANISM: Artificial Sequence  
 38 <220> FEATURE:  
 39 <223> OTHER INFORMATION: Vkappa 5' sense primer RSCVK2  
 42 <400> SEQUENCE: 2  
 43 gggcccaggc ggccgagctc gatmtgaccc agactcca 38  
 46 <210> SEQ ID NO: 3  
 47 <211> LENGTH: 38  
 48 <212> TYPE: DNA  
 49 <213> ORGANISM: Artificial Sequence  
 51 <220> FEATURE:  
 52 <223> OTHER INFORMATION: Vkappa 5' sense primer RSCVK3  
 55 <400> SEQUENCE: 3  
 56 gggcccaggc ggccgagctc gtgatgaccc agactgaa 38  
 59 <210> SEQ ID NO: 4  
 60 <211> LENGTH: 42  
 61 <212> TYPE: DNA  
 62 <213> ORGANISM: Artificial Sequence  
 64 <220> FEATURE:  
 65 <223> OTHER INFORMATION: Vkappa 3' reverse primer RHybK1-B  
 68 <400> SEQUENCE: 4

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69 agatggtgca gccacagttc gtttgatttc cacattggtg cc 42
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 42
74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Vkappa 3' reverse primer RHybK2-B
81 <400> SEQUENCE: 5
82 agatggtgca gccacagttc gtaggatctc cagctcggtc cc 42
85 <210> SEQ ID NO: 6
86 <211> LENGTH: 42
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Vkappa 3' reverse primer RHybK3-B
94 <400> SEQUENCE: 6
95 agatggtgca gccacagttc gtttgacsac cacctcggtc cc 42
98 <210> SEQ ID NO: 7
99 <211> LENGTH: 40
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Vlambda 5' sense primer RSclambdal
107 <400> SEQUENCE: 7
108 gggcccaggc ggccgagctc gtgctgactc agtcgccctc 40
111 <210> SEQ ID NO: 8
112 <211> LENGTH: 45
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Vlambda 3' reverse primer RHybL-B
120 <400> SEQUENCE: 8
121 agatggtgca gccacagttc ggcctgtgac ggtcagctgg gtccc 45
124 <210> SEQ ID NO: 9
125 <211> LENGTH: 42
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: VH 5' sense primer RHyVH1
133 <400> SEQUENCE: 9
134 gctgccaac cagccatggc ccagtcggtg gaggagtccr gg 42
137 <210> SEQ ID NO: 10
138 <211> LENGTH: 42
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: VH 5' sense primer RHyVH2
146 <400> SEQUENCE: 10
147 gctgccaac cagccatggc ccagtcggtg aaggagtccg ag 42

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150 <210> SEQ ID NO: 11
151 <211> LENGTH: 42
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: VH 5' sense primer RHyVH3
159 <400> SEQUENCE: 11
160 gctgccaac cagccatggc ccagtcgytg gaggagtccg gg 42
163 <210> SEQ ID NO: 12
164 <211> LENGTH: 44
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: VH 5' sense primer RHyVH4
172 <400> SEQUENCE: 12
173 gctgccaac cagccatggc ccagsagcag ctgrtgaggc cccg 44
176 <210> SEQ ID NO: 13
177 <211> LENGTH: 45
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: VH 3' reverse primer RHyIgGCH1-B
185 <400> SEQUENCE: 13
186 cgatgggccc ttggtggagg ctgargagay ggtgaccagg gtgcc 45
189 <210> SEQ ID NO: 14
190 <211> LENGTH: 24
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Sense primer HKC-F for amplification of the human Ckappa
region and the
196 pelB leader sequence from a cloned human Fab
199 <400> SEQUENCE: 14
200 cgaactgtgg ctgcaccatc tgtc 24
203 <210> SEQ ID NO: 15
204 <211> LENGTH: 21
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Reverse primer Lead-B for amplification of the human Ckappa
region and
210 the pelB leader sequence from a cloned human Fab
213 <400> SEQUENCE: 15
214 ggccatggct gggtgggcag c 21
217 <210> SEQ ID NO: 16
218 <211> LENGTH: 24
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Sense primer HIgGCH1-F for amplification of the human CH1
Chain from a
224 cloned human Fab

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227 <400> SEQUENCE: 16
228 gcctccacca agggcccatc ggtc                                     24
231 <210> SEQ ID NO: 17
232 <211> LENGTH: 21
233 <212> TYPE: DNA
234 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Reverse primer dpseq for amplification of the human CH1
Chain from a
238         cloned human Fab
241 <400> SEQUENCE: 17
242 agaagcgtag tccggaacgt c                                         21
245 <210> SEQ ID NO: 18
246 <211> LENGTH: 41
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Sense primer RSC-F for PCR assembly of rabbit VL sequences
with the
252         human Ckappa PCR Product
255 <400> SEQUENCE: 18
256 gaggaggagg aggaggaggc ggggcccagg cggccgagct c                 41
259 <210> SEQ ID NO: 19
260 <211> LENGTH: 21
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial Sequence
264 <220> FEATURE:
265 <223> OTHER INFORMATION: Sense primer LeadVH for PCR assembly of rabbit VH sequences
with the
266         human CH1 PCR product
269 <400> SEQUENCE: 19
270 gctgccaac cagccatggc c                                         21
273 <210> SEQ ID NO: 20
274 <211> LENGTH: 39
275 <212> TYPE: DNA
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: Reverse primer dp-EX for PCR assembly of chimeric light-
chain sequences
280         with chimeric heavy-chain (Fd) sequences
283 <400> SEQUENCE: 20
284 gaggaggagg aggaggagag aagcgtagtc cggaacgtc                     39
287 <210> SEQ ID NO: 21
288 <211> LENGTH: 20
289 <212> TYPE: DNA
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: sequencing primer
296 <400> SEQUENCE: 21
297 agaaacacaa agtctacgcc                                         20
300 <210> SEQ ID NO: 22
301 <211> LENGTH: 20
302 <212> TYPE: DNA

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Input Set : A:\pto.KD.txt

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303 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: sequencing primer
309 <400> SEQUENCE: 22
310 gttgggcagc gagtaataac                                20
313 <210> SEQ ID NO: 23
314 <211> LENGTH: 348
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: nucleotide sequence encoding VH region of clone 61
322 <400> SEQUENCE: 23
323 caggagcagc tgatggagtc cggggggtcgc ctggtcaatc ctggcgaatc cctgacactc        60
325 acctgcaaag cctctggatt caccttcagt agctactaca tgagctgggt ccgccaggct        120
327 ccagggaagg ggctggagtg gatcggatac attggtacta gtagtggtac cacttactac        180
329 gcgaactctg tgaagggccg attcaccatc tccagcgaca acgcccagaa taccgtatatt        240
331 ctgcgaatga ccagtctcac agactcggac acggccacct atttctgtgc aagaggggctg        300
333 ggcagaatca acttgtgggg cccaggcacc ctggtcaccg tctcttca                    348
336 <210> SEQ ID NO: 24
337 <211> LENGTH: 327
338 <212> TYPE: DNA
339 <213> ORGANISM: Artificial Sequence
341 <220> FEATURE:
342 <223> OTHER INFORMATION: nucleotide sequence encoding VL region of clone 61
345 <400> SEQUENCE: 24
346 gagctcgtgc tgaccagac tccatcctct atgtctgcag ctgtgggagg cacagtcacc        60
348 atcaattgcc aggccagtc gagtggttagc aactacttag cctggatatca gcagaaacca        120
350 gggcagcctc ccaagctcct gatctacagg gcatccactc tggcatctgg ggtcccatcg        180
352 cgtttcagcg gcagtggatc tgggacagag ttcactctca ccatcagtggt catgaaggct        240
354 gaagatgctg ccacttatta ctgtcaaagt gggtattata gtgctgggtgc gacttttgga        300
356 ggtggcacca atgtggaaat caaacga                    327
359 <210> SEQ ID NO: 25
360 <211> LENGTH: 348
361 <212> TYPE: DNA
362 <213> ORGANISM: Artificial Sequence
364 <220> FEATURE:
365 <223> OTHER INFORMATION: nucleotide sequence encoding VH region of clone 68
368 <400> SEQUENCE: 25
369 cagcagcagc tgggtggagtc cggggggtcgc ctggtcaatc ctggcgaatc cctgacactc        60
371 acctgcaaag cctctggatt caccttcagt acctactaca tgagctgggt ccgccaggct        120
373 ccagggaagg ggctagagtg gatcggatac attggtacta gtagtggtac cacttactac        180
375 gcgaactctg tgaagggccg attcaccatc tccagcgaca acgcccagaa taccgtatatt        240
377 ctgcaaatga ccagtctgac agactcggac acggccacct atttctgtgc aagaggggctg        300
379 ggcagaatta acttgtgggg cccaggcacc ctggtcaccg tctcctca                    348
382 <210> SEQ ID NO: 26
383 <211> LENGTH: 327
384 <212> TYPE: DNA
385 <213> ORGANISM: Artificial Sequence
387 <220> FEATURE:

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/578,836

DATE: 05/22/2006  
TIME: 14:26:23

Input Set : A:\pto.KD.txt  
Output Set: N:\CRF4\05222006\J578836.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:14; Line(s) 195  
Seq#:15; Line(s) 209  
Seq#:16; Line(s) 223  
Seq#:20; Line(s) 279

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/578,836

DATE: 05/22/2006

TIME: 14:26:23

Input Set : A:\pto.KD.txt

Output Set: N:\CRF4\05222006\J578836.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date